

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings of claims in the application:

Claim 1 (Currently Amended): An impact-resistant molding material comprising poly(meth)acrylate and at least one silicone rubber graft copolymer comprising from 0.05 to 95% by weight, based on the total weight of the copolymer, of a core a) comprising an organosilicon polymer which has the general formula $(R_2SiO_{2/2})_x(RSiO_{3/2})_y(SiO_{4/2})_z$ where x = from 0 to 99.5 mol%, y = from 0.5 to 100 mol%, z = from 0 to 50 mol%, where R means identical or different alkyl or alkenyl radicals having from 1 to 6 carbon atoms, aryl radicals, or substituted hydrocarbon radicals, from 0 to 94.5% by weight, based on the total weight of the copolymer, of a polydialkylsiloxane layer b), and from 5 to 95% by weight, based on the total weight of the copolymer, of a shell c) comprising organic polymers, wherein the core a) encompasses vinyl groups prior to the grafting process, and the shell c) is ~~obtainable~~ obtained via free-radical polymerization of a mixture in which acrylic esters and methacrylates are present, wherein the ratio by weight of acrylic ester to methacrylate in the mixture for preparing the shell c) is in the range from 50:50 to 1:99.

Claim 2 (Previously Presented): The impact-resistant molding material as claimed in claim 1, wherein the ratio by weight of core a) and layer b) to the shell c) is in the range from 70:30 to 55:65.

Claim 3 (Canceled):

Claim 4 (Previously Presented): The impact-resistant molding material as claimed in claim 1, wherein the molding material comprises at least 55% by weight of poly(meth)acrylates, based on the total weight.

Claim 5 (Currently Amended): The impact-resistant molding material as claimed in claim 1, wherein the molding material comprises at least one acrylate-rubber-based impact modifier.

Claim 6 (Currently Amended): The impact-resistant molding material as claimed in claim 5, wherein the particle diameter of the acrylate-rubber-based impact modifier is in the range from 50 to 1000 nm.

Claim 7 (Previously Presented): The impact-resistant molding material as claimed in claim 1, wherein it comprises styrene-acrylo-nitrile polymers.

Claim 8 (Previously Presented): The impact-resistant molding material as claimed in claim 7, wherein the styrene-acrylonitrile polymers were obtained via polymerization of a mixture which comprises

from 70 to 92% by weight of styrene

from 8 to 30% by weight of acrylonitrile, and

from 0 to 22% by weight of other comonomers, based in each case on the total weight of the monomers to be polymerized.

Claim 9 (Currently Amended): The impact-resistant molding material as claimed in claim 1, wherein the molding material comprises

- f1) from 20 to 95% by weight of (meth)acrylate polymers,
- f2) from 0 to 45% by weight of styrene-acrylonitrile polymers,
- f3) from 5 to 60% by weight of silicone rubber graft copolymers,
- f4) from 0 to 60% by weight of acrylate-rubber-based impact modifier,

based in each case on the weight of components f1-f4, and conventional additives.

Claim 10 (Previously Presented): The impact-resistant molding material as claimed in claim 1, wherein the silicone rubber graft copolymers have a particle diameter in the range from 10 to 300 nm.

Claim 11 (Previously Presented): The impact-resistant molding material as claimed in claim 1, wherein the shell c) was obtained via polymerization of a mixture in which methyl methacrylate and acrylic ester having from 1 to 8 carbon atoms are present.

Claim 12 (Previously Presented): The impact-resistant molding material as claimed in claim 1, wherein the acrylic ester is selected from the group consisting of ethyl acrylate, butyl acrylate, and mixtures thereof.

Claim 13 (Previously Presented): The impact-resistant molding material as claimed in claim 1, wherein the content of vinyl groups in the core a) is in the range from 2 to 3 mol%, based on the weight of the core.

Claim 14 (Currently Amended): An impact-resistant molding ~~obtainable~~ obtained via extrusion or injection molding of a molding material as claimed in claim 1.

Claim 15 (Previously Presented): The impact-resistant molding as claimed in claim 14, wherein the molding has a Vicat softening point to ISO 306 (B50) of at least 85°C, a notched impact strength NIS (Izod 180/1eA, 1.8 MPa) to ISO 180 of at least 3.0 kJ/m² at -20°C and of at least 2.5 kJ/m² at -40°C, a modulus of elasticity to ISO 527-2 of at least 1500 MPa.

Claim 16 (Previously Presented): The impact-resistant molding as claimed in claim 14, wherein the molding is a mirror housing or a spoiler for a vehicle, or is a pipe, or a protective cover, or a component of a refrigerator.

BASIS FOR THE AMENDMENT

Claim 3 has been canceled. The limitations of Claim 3 have been included in Claim

1. Claims 5, 6, 9 and 14 have been amended to correct minor informalities.

No new matter is believed to have been added by entry of this amendment. Entry and favorable reconsideration are respectfully requested.

Upon entry of this amendment Claims 1-2, 4-16 will now be active in this application.